



Material	VWRB805-12KG
Material description	Citric acid anhydrous
Grade	Ph.Eur./USP/BP/JP/ENDOTOXIN TESTED
Lot	17H215206
Expiration Date	2020 May 31
CAS Number	77-92-9
Molecular formula	C ₆ H ₈ O ₇
Molecular mass	192.13
Date of manufacture	2017 May 01
Made in	Belgium
Storage	Store between 15 °C and 30 °C.
Supplier	56089
Additional information	

Characteristics	Specifications	Measured values
Appearance	Conforms (see CoA/CoS)	Conforms (see CoA/CoS)
JP specifications:	.	.
Assay (calculated on anhydrous) [JP]	99.5 --> 100.5 %	99.7 %
Identification	Passes test JP	Passes test JP
Clarity and color of solution	Passes test JP	Passes test JP
SO ₄ (Sulphate) [JP]	Max. 150 ppm	Max. 150 ppm
Oxalic acid (as oxalic anhydride) [JP]	Max. 360 ppm	Max. 360 ppm
Heavy metals (as Pb) [JP]	Max. 10 ppm	Max. 10 ppm
Readily carbonizable substances	Passes test JP	Passes test JP
Water [JP]	Max. 1.0 %	0.1 %
Residue on ignition [JP]	Max. 0.1 %	< 0.1 %
Ph.Eur./BP specifications:	.	.
Assay (on anhydrous) [Ph.Eur./BP]	99.5 --> 100.5 %	99.7 %
Identification	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Appearance of solution	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Readily carbonisable substances	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Oxalic acid (on anhydrous) [Ph.Eur./BP]	Max. 360 ppm	Max. 360 ppm
SO ₄ (Sulphate) [Ph.Eur./BP]	Max. 150 ppm	Max. 150 ppm
Water [Ph.Eur./BP]	Max. 1.0 %	0.1 %
Sulphated ash [Ph.Eur./BP]	Max. 0.1 %	< 0.1 %
USP specifications:	.	.
Assay (calculated on anhydrous) [USP]	99.5 --> 100.5 %	99.7 %
Identification	Passes test USP	Passes test USP
Residue on ignition [USP]	Max. 0.1 %	< 0.1 %
Heavy metals (as Pb) [USP]	Max. 10 µg/g	Max. 10 µg/g
SO ₄ (Sulphate) [USP]	Max. 0.015 %	Max. 0.015 %
Limit of oxalic acid	Max. 0.036 %	Max. 0.036 %
Clarity of solution	Passes test USP	Passes test USP

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For further manufacturing use only. Not for use as an Active Pharmaceutical Ingredient.



Certificate of Analysis



Characteristics	Specifications	Measured values
Color of solution	Passes test USP	Passes test USP
Readily carbonizable substances	Passes test USP	Passes test USP
Water [USP]	Max. 1.0 %	0.1 %
Bacterial endotoxins	Max. 2.5 EU/g	Passes test

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Anand Matta, Head of Laboratory - Aurora
VWR Chemicals, LLC, 220 Lena Dr., Aurora, OH 44202, USA

Additional information

Appearance: Colorless or white crystals or crystalline powder.

No Class 1, 2, 3 or other residual solvents are present.

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